

CLAIMS

1. Connecting device for furniture panels (1, 2), in which, in the connected state of the furniture panels (1, 2), at least two locking elements (8, 9) essentially form a circle, characterized in that a first guiding element (4, 5) for guiding the locking elements (8, 9) capable of being attached to a first furniture panel (1, 2) and a second guiding element (4, 5) for guiding the locking elements (8, 9) capable of being attached to a second furniture panel (1, 2) are provided, the guiding elements (4, 5) in each case exhibiting at least one essentially circular guiding area for guiding the locking elements (8, 9).

2. Connecting device according to claim 1, characterized in that the guiding elements (4, 5) and/or the furniture panel (1, 2) in each case exhibit at least one contact surface (12) oriented transversely to the direction of movement (15, 16) of the locking element (8, 9) for contact by the locking element (8, 9).

3. Connecting device according to one of the previous claims, characterized in that the guiding elements (4, 5) in each case exhibit at least two contact surfaces (12) arranged essentially in an orthogonal relationship with one another.

4. Connecting device according to one of the previous claims, characterized in that the guiding elements (4, 5) and/or the locking element (8, 9) in each case exhibit at least one groove (10, 13) and/or one tongue (11, 14) with the contact surface (12).

5. Connecting device according to one of the previous claims, characterized in that the locking element (8, 9) is arranged at least partially between the furniture panel (1, 2) and the guiding element (4, 5).

6. Connecting device according to one of the previous claims, characterized in that the locking element (8, 9) is pivotally guided.

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7. Connecting device according to one of the previous claims, characterized in that the locking element (8, 9) is guided in a pivotal manner essentially parallel with the furniture panel.

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8. Connecting device according to one of the previous claims, characterized in that at least one area of the cross section of the guiding element (4, 5) forms a segment of a circle.

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9. Connecting device according to one of the previous claims, characterized in that a gap (6) is formed between the two guiding elements (4, 5) in the connected state of the furniture panels (1, 2).

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10. Connecting device according to one of the previous claims, characterized in that two locking elements (8, 9) are provided.

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11. Connecting device according to one of the previous claims, characterized in that at least one catch unit for the engagement of the locking element (8, 9) with the guiding element (4, 5) is provided.

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12. Connecting device according to one of the previous claims, characterized in that the catch unit comprises at least one catch position, in which the locking element (8, 9) exhibits a projection extending beyond the furniture panel (1, 2).

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13. Connecting device according to one of the previous claims, characterized in that at least one blocking unit is provided for blocking the displacement of the locking element (8, 9) in relation to the guiding

element (4, 5).

14. Connecting device according to one of the previous  
claims, characterized in that at least one retaining  
5 unit is provided for holding the locking element (8, 9)  
together with the guiding element (4, 5).

15. Connecting device according to one of the previous  
claims, characterized in that the catch unit is  
10 embodied as the retaining unit.

16. Connecting device according to one of the previous  
claims, characterized in that the two guiding elements  
(4, 5) are of essentially identical embodiment.  
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17. Connecting device according to one of the previous  
claims, characterized in that the two locking elements  
(8, 9) are of essentially identical embodiment.

20 18. Furniture with at least one connecting device  
arranged on at least one furniture panel (1, 2) for the  
purpose of connecting furniture panels (1, 2),  
characterized in that the connecting device is embodied  
in accordance with one of the aforementioned claims.

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